

ABSTRACT OF THE DISCLOSURE

The present invention provides an electrostatic discharge protection device located between a pad and an internal circuit, and is coupled to a first level signal and a second level signal.

5 The electrostatic discharge protection device comprises a voltage detecting device, a signal converting device, and switches. The voltage detecting device detects the voltage level of the first level signal, and outputs a detecting result signal when the voltage level of the first level signal reaches a first predetermined value. The signal converting device
10 outputs the second level signal when the detected result signal is recieved. The first switch has a first controlling gate, and turns on when the voltage level of the pad reaches a second predetermined voltage level. The second switch has a second
15 controlling gate, and turns on and raises the voltage value of the first level signal when the voltage level of the pad reaches a third predetermined voltage level. The third switch has a third controlling gate and turns on when the voltage level of the pad reaches the second predetermined voltage level and the
20 third controlling gate receives the second level signal.

It thus should not limit the scope of the present invention. Any other methods of feeding may also be adopted under the same
25 application.
h-down platform.